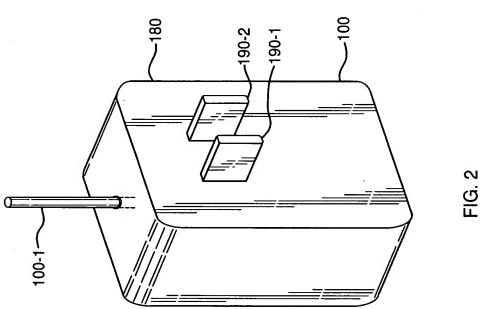


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Appl'n No.: Title: 10/601,180 Repeater for Extending Inventors: Kenneth M. Gainey, et al. Replacement Sheet 3/5 CONTROL CONTROL CONTROL -- CONTROL --U<sub>3</sub> -- CONTROL TX FREQUENCY CONVERTER :350 **PROCESSOR** f(X<sub>1</sub> ...X<sub>n</sub>) MICRO **DETECTION AND CONTROL UNIT** TX1 OR TX2 FREQUENCY ADC 381~ ADC 380~ **1MHz LOW PASS FILTER** SWITCH 355 CONTROL 1MHz LOW PASS FILTER 376 VGA 330 -- CONTROI 380 ~361 DETECTOR 370-5 DETECTOR 371~ 20 MHz B AND PASS FILTER 365 PA 325, DELAY LINE DELAY LINE FILTER FILTER LO1 340~ L02 341~ TX1 OR TX2 FREQUENCY RX FREQUENCY CONVERTER 2 ANTENNA -300 SPLITTER 324 20 MHZ B AND PASS FILTER 986 N N -310 ISOLATOR 305 ~ CONVERTER 1 320 RX FREQUENCY RX1 AND RX2 FREQUENCIES-SPLITTER SPLITTER FIG. 3

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Repeater for Extending . . .
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